

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/16/2021 09:12 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125429	0	2.35	125231	2.40
Blue	F	SSC	125000	126320	1	4.19	126549	4.17
Blue	E	FITC	14400	13914	-4	3.10	320	15.74
Blue	D	PE	24713	24589	-1	2.55	563	11.20
Blue	B	PerCP-Cy5-5	31796	31387	-2	3.82	1038	14.79
Blue	A	PE-Cy7	21240	21168	-1	5.83	566	29.73
Red	C	APC	41319	41073	-1	3.21	1721	11.29
Red	A	APC-Cy7	21019	20763	-2	3.50	779	11.33
Violet	B	V450	7305	7107	-3	4.17	441	12.82
Violet	A	V500	28652	27773	-4	3.78	696	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23312	2.51	572	3	N/A	N/A	Pass
Blue	F	SSC	58691	2.82	522	10	N/A	N/A	Pass
Blue	E	FITC	58	54.24	495	4	0.0400	49	Pass
Blue	D	PE	117	37.51	494	7	0.3646	272	Pass
Blue	B	PerCP-Cy5-5	194	35.71	591	7	0.0196	56	Pass
Blue	A	PE-Cy7	114	67.72	638	8	0.0211	0	Pass
Red	C	APC	398	23.53	576	3	0.0289	175	Pass
Red	A	APC-Cy7	174	26.40	546	1	0.0067	925	Pass
Violet	B	V450	61	61.78	457	1	0.0524	1881	Pass
Violet	A	V500	99	35.15	470	0	0.0260	968	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.82	-31.61	1.03
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.53	15.99 - 23.99	N/A	N/A	30.00	30.25	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13777

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments